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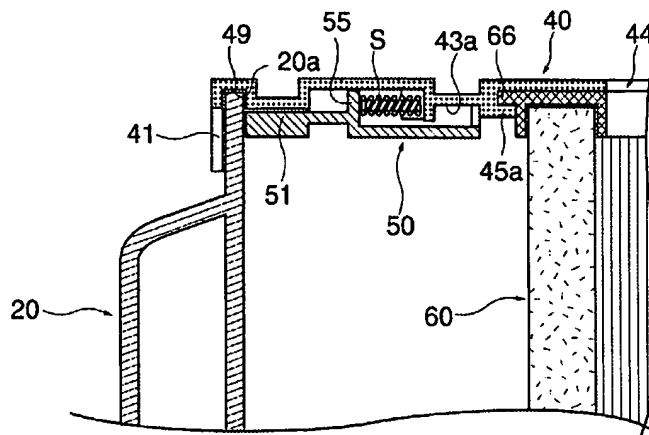
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(54) **Filter mounting arrangement for vacuum cleaner**

(57) The present invention relates to a structure for confirming as to whether a filter is mounted into a vacuum cleaner. The structure for a vacuum cleaner according to the present invention comprises a cover (40) including a discharging port (44) for discharging air from which foreign materials are removed, a movable member (50) of which positions are changed depending on coupling states thereof, and a support portion (45) for moving the movable member (50); and a filter (60) including a coupling means (60a) having a plurality of protrusions (62,64,66) coupled to the support portion (45) of the cover (40), a plurality of indented portions (61,63,65) formed between the plurality of the protrusions (62,64,66), and an engagement piece (68) formed

to be spaced apart from the protrusions (62,64,66) for changing the position of the movable member (50). The filter (60) is detachably mounted to the support portion (45). According to the present invention, unless the filter (60) having a function of removing fine dusts from the air is coupled to the cover (40), the movable member (50) hinders a dust collecting casing (20) from being perfectly covered with the cover (40). That is, since the cover (40) of the dust collecting casing (20) is positioned higher, by a height of the movable member (50), than a space formed in a main body of the cleaner for allowing the dust collecting casing (20) to be received therein, the dust collecting casing (20) cannot be received within the main body of the cleaner.

**Fig.5**







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## Filter mounting arrangement for vacuum cleaner

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### Abstract of EP1214903

The present invention relates to a structure for confirming as to whether a filter is mounted into a vacuum cleaner. The structure for a vacuum cleaner according to the present invention comprises a cover (40) including a discharging port (44) for discharging air from which foreign materials are removed, a movable member (50) of which positions are changed depending on coupling states thereof, and a support portion (45) for moving the movable member (50); and a filter (60) including a coupling means (60a) having a plurality of protrusions (62,64,66) coupled to the support portion (45) of the cover (40), a plurality of indented portions (61,63,65) formed between the plurality of the protrusions (62,64,66), and an engagement piece (68) formed to be spaced apart from the protrusions (62,64,66) for changing the position of the movable member (50). The filter (60) is detachably mounted to the support portion (45). According to the present invention, unless the filter (60) having a function of removing fine dusts from the air is coupled to the cover (40), the movable member (50) hinders a dust collecting casing (20) from being perfectly covered with the cover (40). That is, since the cover (40) of the dust collecting casing (20) is positioned higher, by a height of the movable member (50), than a space formed in a main body of the cleaner for allowing the dust collecting casing (20) to be received therein, the dust collecting casing (20) cannot be received within the main body of the cleaner.

Fig.5

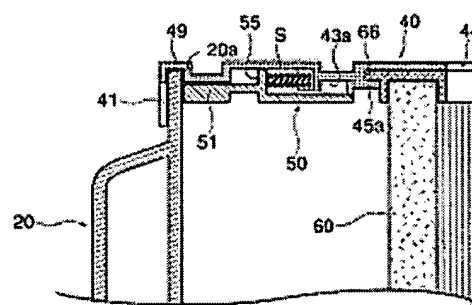
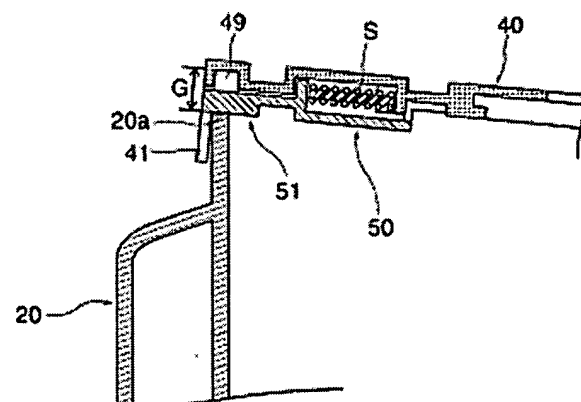


Fig. 6



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